



Gulf of Mexico Harmful Algal Bloom Bulletin

12 May 2005

National Ocean Service

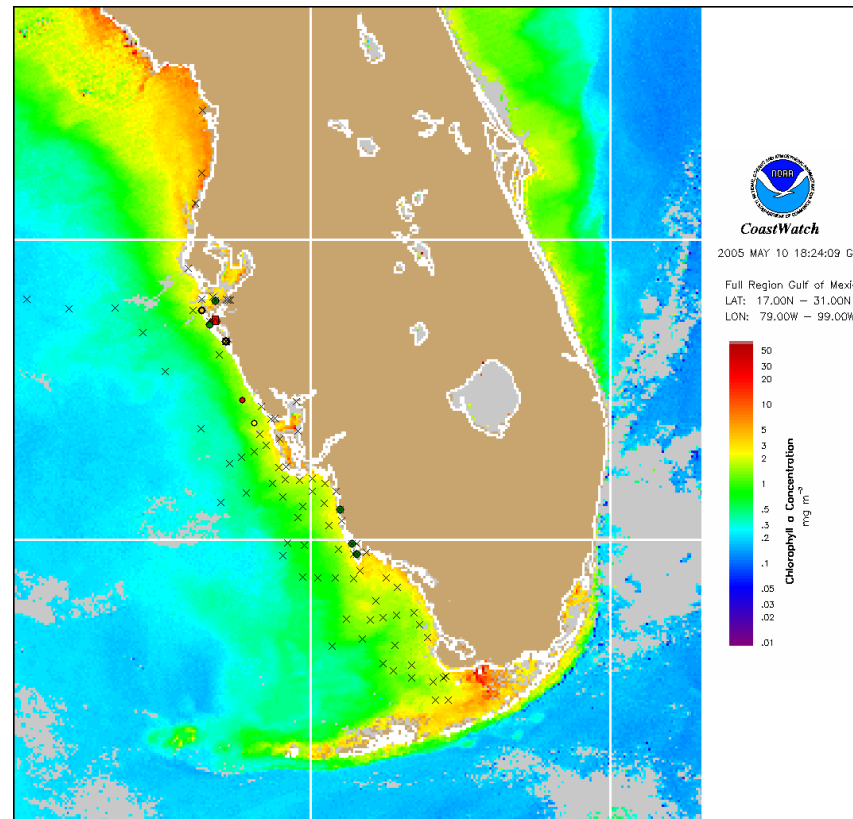
National Environmental Satellite, Data, and Information Service

Last bulletin: May 9, 2005

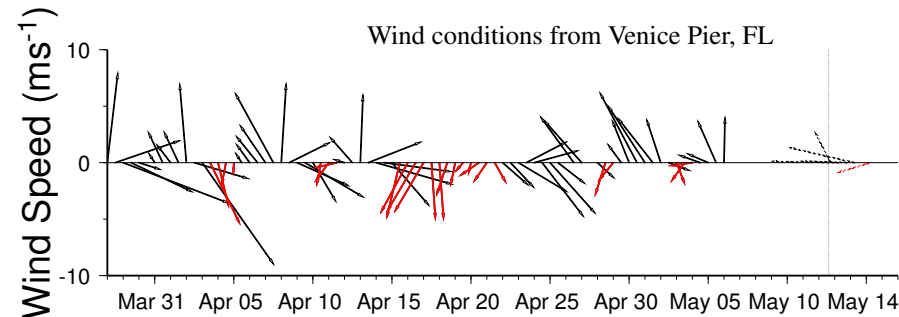
Conditions: A harmful algal bloom has been identified in Manatee County. Patchy moderate to high impacts are possible in bayside areas through Monday. The bloom continues to dissipate along the coast, and impacts at the beach are unlikely.

Analysis: The bloom remains in the Palma Sola and Sarasota Bay systems and has almost entirely dissipated along the coast. Fish kills have been reported, and are likely to continue. Easterly winds this week may increase impacts to bayside areas of Anna Maria Island. Medium to high concentrations of *K. brevis* were reported on May 6 in Palma Sola Bay, as well as very low and present concentrations at the north end of Anna Maria Island and the mouth of Tampa Bay. Intensification and movement of the bloom are not expected.

-Stolz and Bronder



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

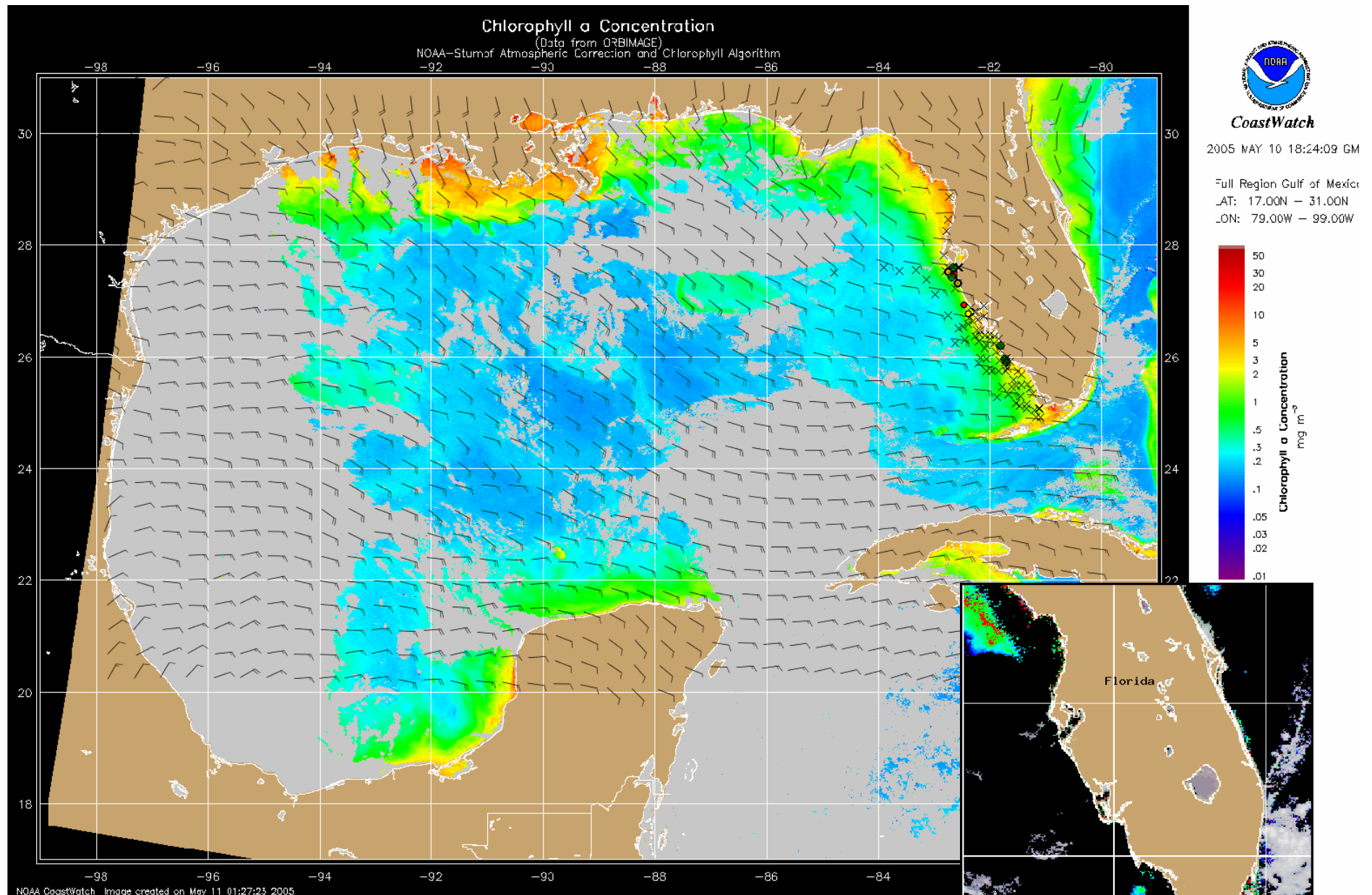


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Easterly winds at 5-10 (3-5 m/s) today through Saturday. Northerly winds Sunday and Monday. Afternoon seabreeze each day from the west near the coast.

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Chlorophyll concentration from satellite and forecast winds for May 13, 2005 06Z with cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)